

	UNIVERSITY OF CAMBRIDGE INT International General Certificate of S		Anbridge.com
CANDIDATE NAME			
CENTRE NUMBER		CANDIDATE NUMBER	
MATHEMATIC	S	058	0/13
Paper 1 (Core)		May/June 2	2013
		11	nour
Candidates and	swer on the Question Paper.		
Additional Mate	erials: Electronic calculator Tracing paper (optional)	Geometrical instruments	

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in. Write in dark blue or black pen.

You may use a pencil for any diagrams or graphs.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer all questions.

If working is needed for any question it must be shown below that question.

Electronic calculators should be used.

If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place. For π , use either your calculator value or 3.142.

At the end of the examination, fasten all your work securely together. The number of marks is given in brackets [] at the end of each question or part question. The total of the marks for this paper is 56.

This document consists of **11** printed pages and **1** blank page.





www.papacambridge.com The table shows the distances by road, in kilometres, between some towns in New Zealand. 1

				Auckland		
			4	an.	(and	
	No		1,	anii ton	126	
	" P	14m	Napic,	300	426	
٠	R	ISTROUTIN	415	242	368	
Wellington	Rotorija	319	229	109	235	
^{Act} on	460	356	332	531	657	

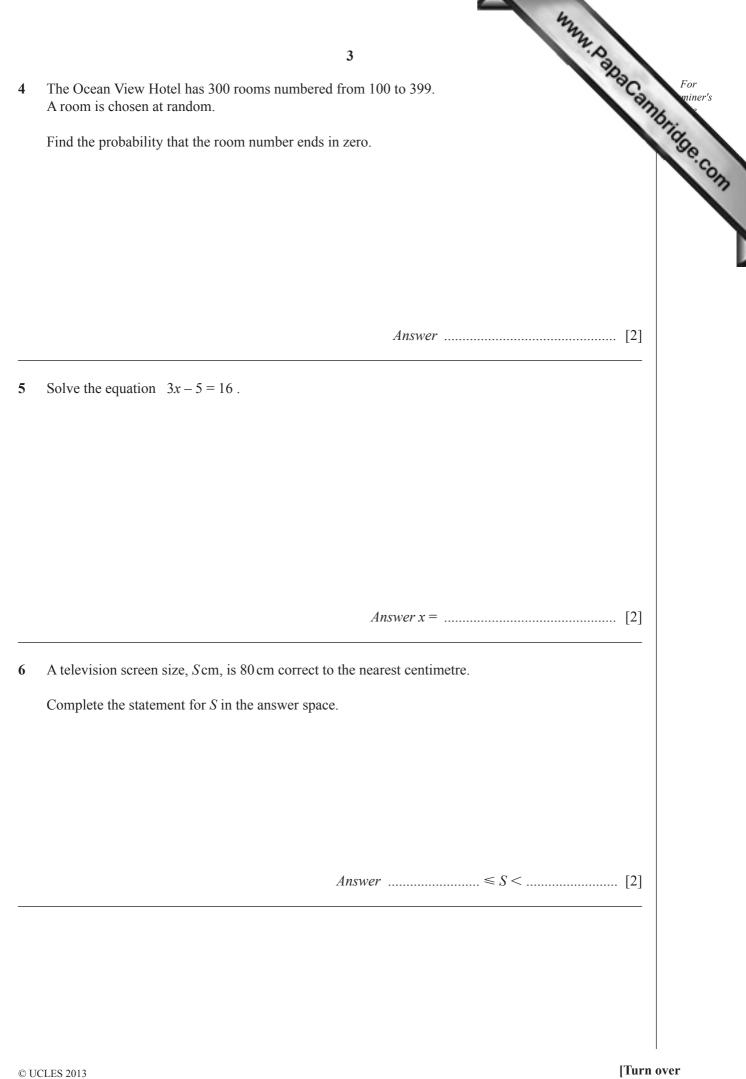
Write down the distance between Rotorua and Hamilton.

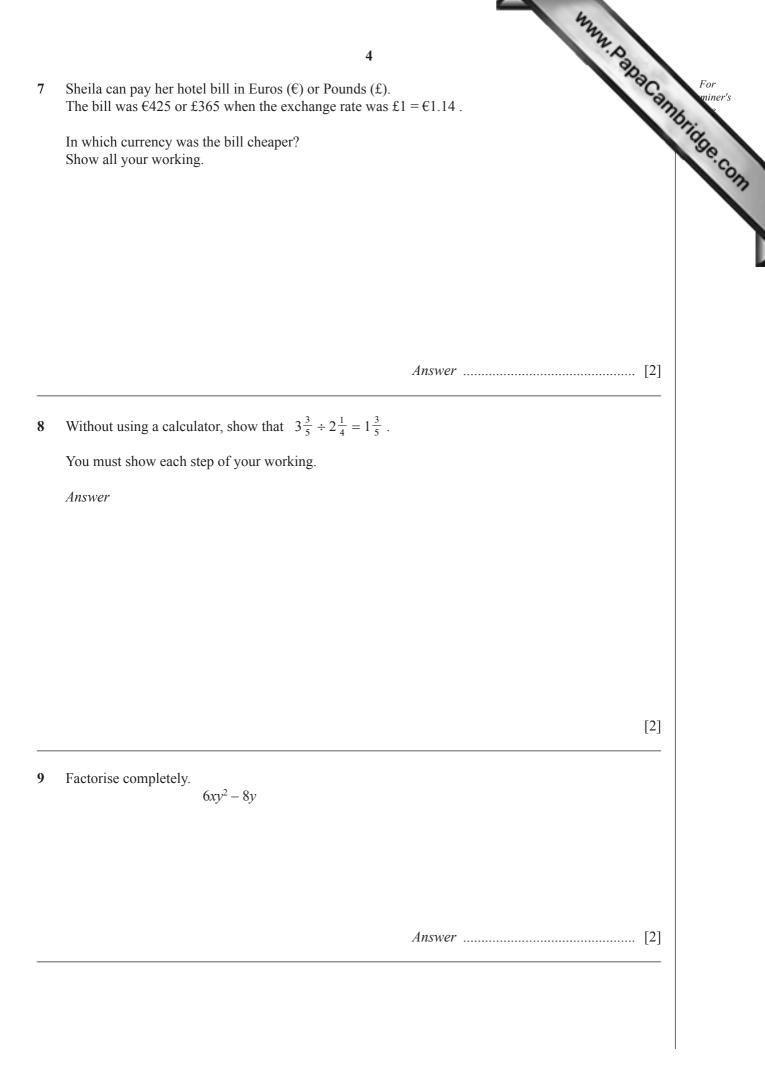
Answer km [1]

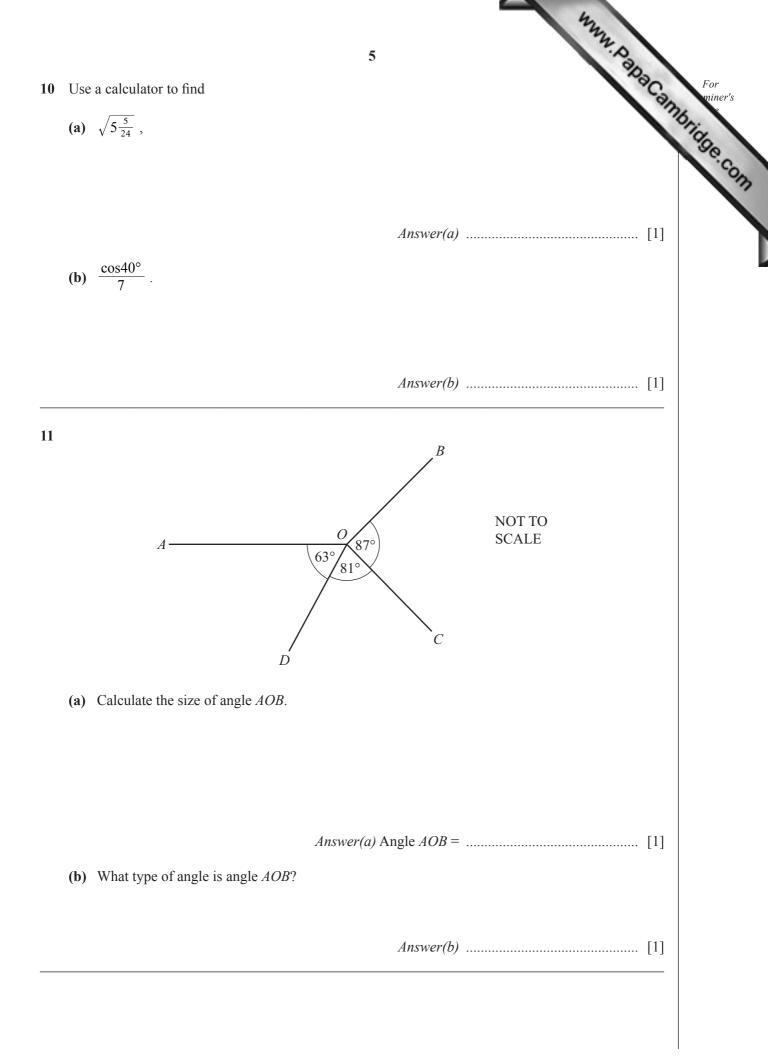
Find the value of 1.47^3 . 2 Give your answer correct to 3 decimal places.

The time in Lisbon is the same as the time in Funchal. 3 A plane left Lisbon at 0830 and arrived in Funchal at 1020. It then left Funchal at 1255 and returned to Lisbon. The return journey took 15 minutes more.

What time did the plane arrive in Lisbon?

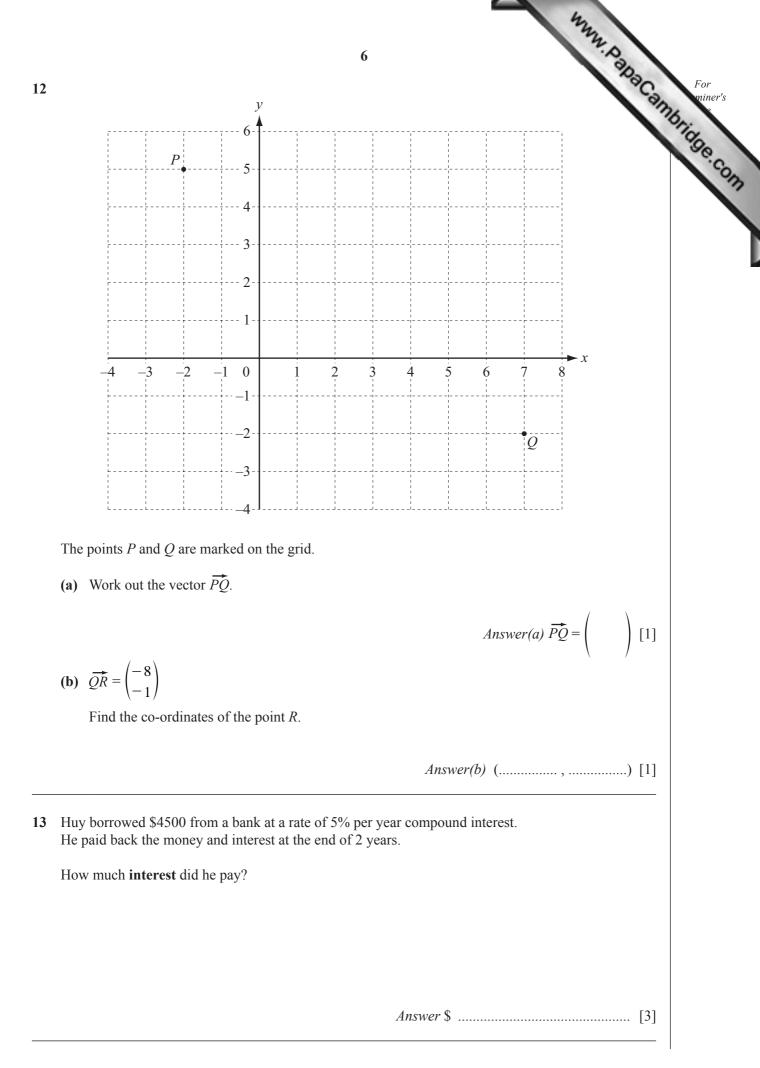


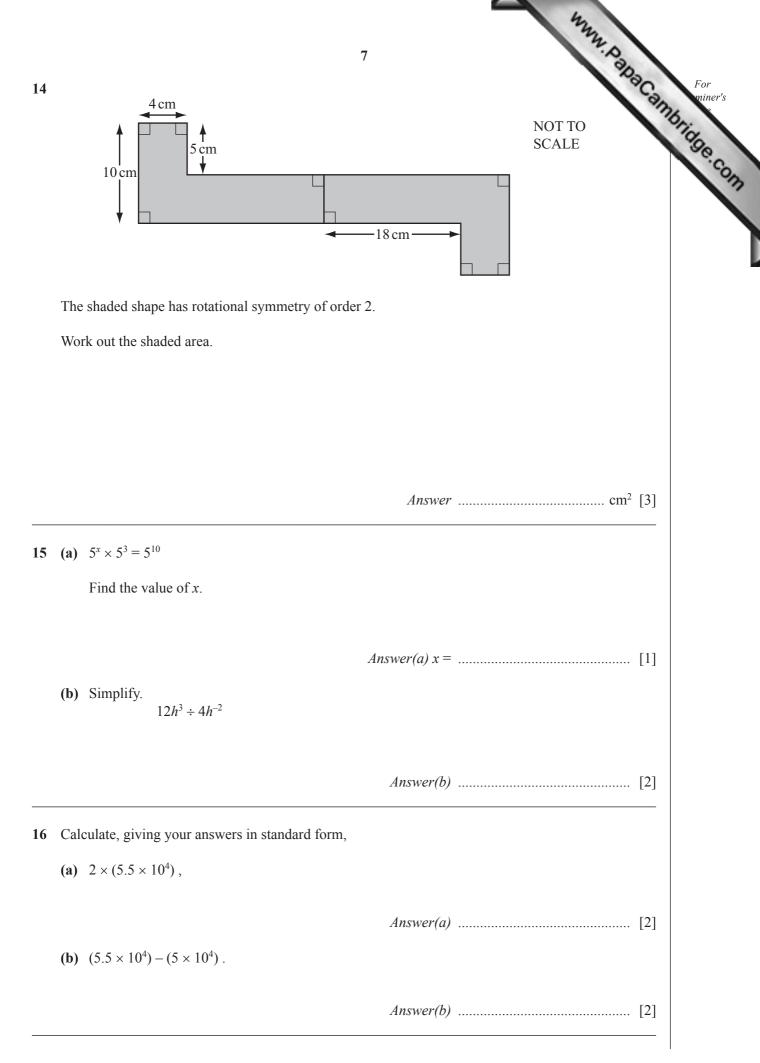


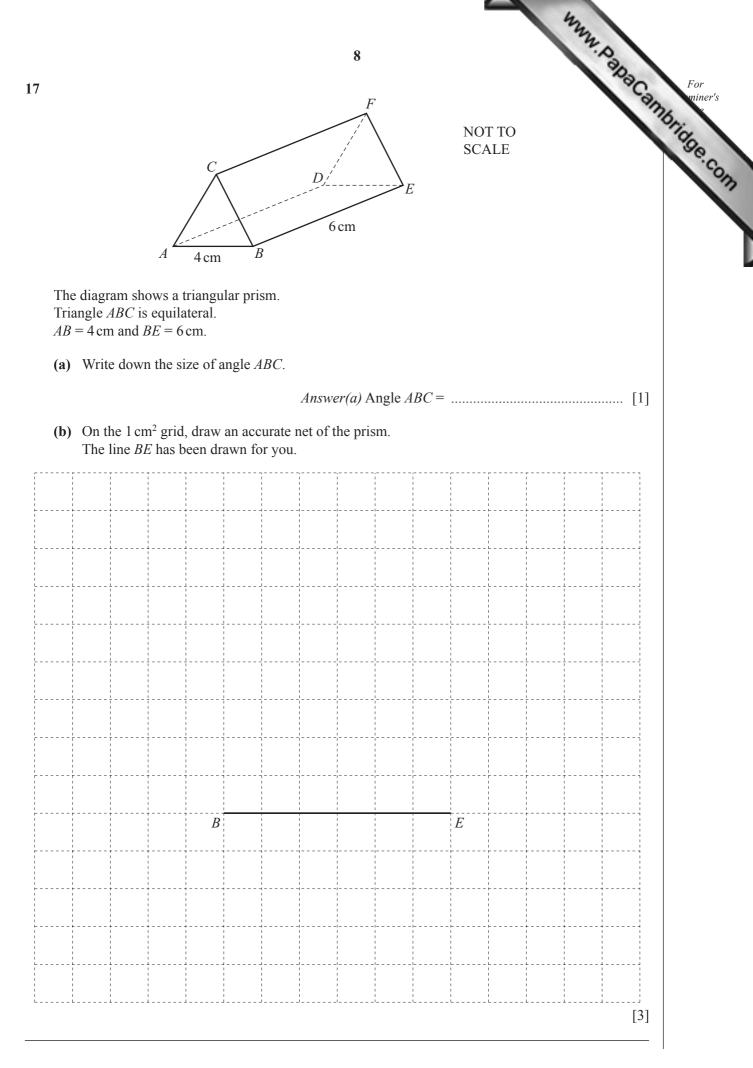


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- www.papacambridge.com On the first day of each month, a café owner records the midday temperature (°C) and the nu 18 hot meals sold. J J S Month F Μ А Μ J А 0 Temperature (°C) 2 4 9 15 21 24 28 27 23 18 Number of hot meals 38 35 36 24 15 10 4 5 12 20 (a) Complete the scatter diagram. The results for January to June have been plotted for you. 40 35 × 30 25 Number of 20 hot meals 15 10 5 0 5 10 15 25 30 20 Temperature (°C) [2] (b) On the grid, draw the line of best fit. [1]
 - (c) What type of correlation does this scatter diagram show?

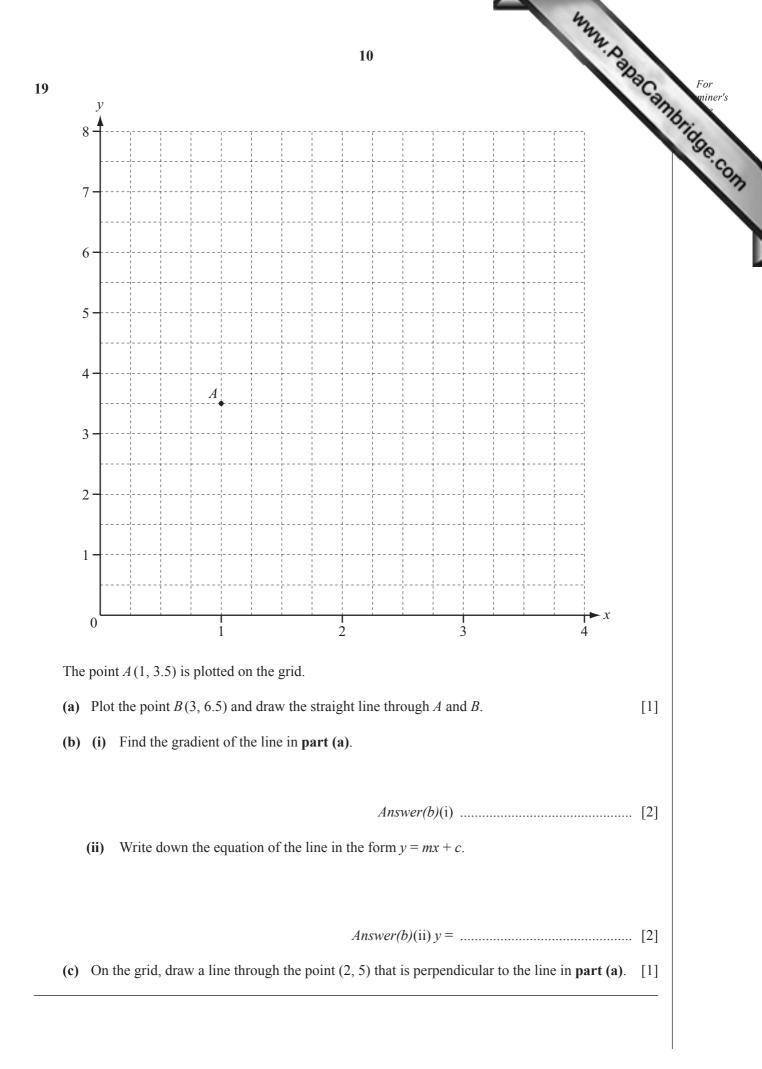
Answer(c) [1]

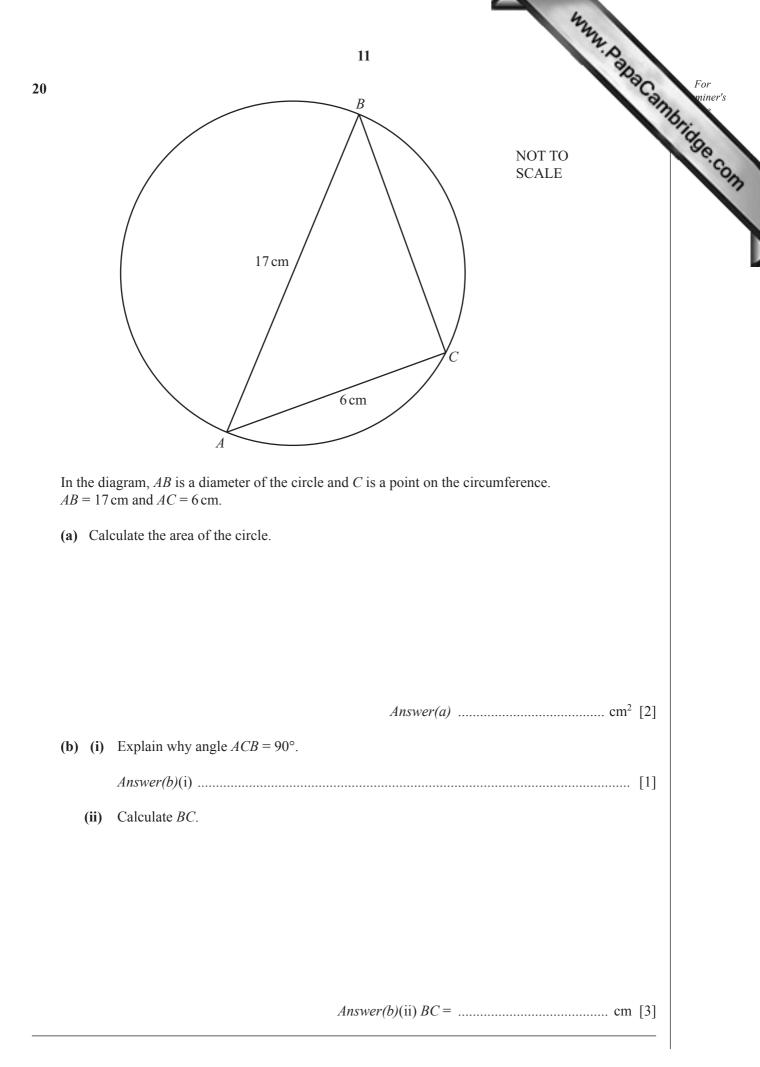
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